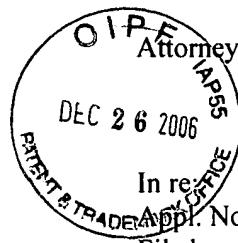


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Attorney's Docket No. 038190/269367

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application No.: Bing-Chung Chen, et al. Confirmation No.: 3688
 Filed: 10/766,177 Group Art Unit: 2128
 For: January 28, 2004 Examiner: Russell W. Frejd
COMPOSITE STACKING SEQUENCE
OPTIMIZATION FOR MULTI-ZONED COMPOSITES

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
 UNDER 37 C.F.R. § 1.97(c)**

Sir:

Attached is a list of documents on form PTO-1449 along with a copy of any cited foreign patent documents and non-patent literature document in accordance with 37 CFR 1.98(a)(2). Also enclosed is a translation or a concise explanation of each non-English language document.

It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By identifying the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead identifying the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier.

A check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. The Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,

Guy R. Gosnell
 Registration No. 34,610

CUSTOMER NO. 00826

ALSTON & BIRD LLP

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101 South Tryon Street, Suite 4000

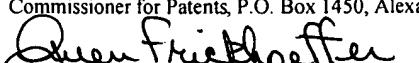
Charlotte, NC 28280-4000

Tel Charlotte Office (704) 444-1000

Fax Charlotte Office (704) 444-1111

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment,
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 Gwen Frickhoeffer

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(Revised 04/2003)



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known	
Application Number	10/766,177
Filing Date	01/28/04
First Named Inventor	Bing-Chung Chen, et al.
Group Art Unit	2128
Confirmation No.	3688
Examiner Name	Russell W. Warren
Attorney Docket Number	038190/269367

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached
	23	JP 08-229183	09/10/1996	Mizuno Corp.		*Abstract Only

Examiner
Signature

Date
Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

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				Complete if Known	
				Application Number	10/766,177
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				Group Art Unit	2128
				Confirmation No.	3688
				Examiner Name	Russell W. Warren
Sheet	2	of	2	Attorney Docket Number	038190/269367

OTHER DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	24	A.L. Velocci, "R&D Unit Pressed to Save \$1 Billion," Aviation Week and Space Technology, May 11, 1998, pp. 75-76	
	25	E.H. Phillips, "Premier 1 Readied for First Flight," Aviation Week and Space Technology, August 31, 1998, p. 39	
	26	R. Flory and E. Bernardon, "Effect of Steering and Conformance Requirements on Automated Material Deposition Equipment," Charles Stark Draper Laboratory, Inc. technical capability document	
	27	V.P. McConnell, "Fiber-placed C-17 Landing Gear Pod Fairings Reduce Price and Parts – Carbon Fiber/Epoxy Unidirectional Towpreg," High Performance Composites, July/August 1998, pp. 48-50	
	28	B. Davidson, et al., "An Expert System for the Design and Analysis of Composite Structures", Am. Helicopter Society Conf. And Specialists Mtg. Sep. 21-23, 1993	
	29	C.M.L. Wu et al., "A knowledge based expert system for laminated composite strut design", Aeronautical Journal, Jan. 1991, pgs. 1-20	
	30	C.M.L. Wu, "Bolted joints in a laminated composite strut design expert system", Composite Structures 22, 1992, pgs. 63-85	
	31	D. Sriram et al., "Knowledge-Based Expert Systems in Structural Design", Computers & Structures, Vol. 20, No. 1-3, pgs. 1-9, 1985	
	32	J. J. Shah et al., "Analysis of design abstraction, representation and inferencing requirements for computer-aided design"	
	33	J.P.H. Webber et al., "An Expert System for Laminated Plate Design Using Composite Materials", Computers & Structures, Vol. 37, No. 6, p. 1051-1-67, 1990	
	34	D.P. Costin et al., "Optimum Design of a Composite Structure with Manufacturing Constraints", Thin-Walled Structures 17, pgs. 185-202, 1993	
	35	H. Yoshiura, et al., "Top-Down Construction of 3-D Mechanical Object Shapes from Engineering Drawings", IEEE, Dec. 1984, pgs. 32-40	
	36	T.C. Woo, "Interfacing Solid Modeling to CAD and CAM: Data Structures and Algorithms for Decomposing a Solid", IEEE, Dec. 1984, pgs. 44-49	
	37	A.A.G. Requicha et al., "Representation of Geometric Features, Tolerances, and Attributes in Solid Modelers Based on Constructive Geometry", IEEE Journal of Robotics and Automation, Vol. RA-2 No. 3, Sep. '86	
	38	Y.H. Pao et al., "Memory Driven Feature-Based Design", Interim Report Feb. 1988-Dec. 1992	
Examiner Signature		Date Considered	

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